

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1.-2. Cancelled.

3. (Currently amended): A reduction device of an industrial robot comprising:
a robot base installed in an XY plane of XYZ orthogonal coordinates;
a rotating barrel portion rotatably attached to the robot base to rotate around a rotating
shaft connected to the robot base;
a lower arm of which one end is axially supported by the rotating barrel portion;
an upper arm of which one end is axially supported by other end of the lower arm;
a large gear fixed to the lower arm; and
a small gear meshing with the large gear and axially supported in the rotating barrel
portion,
wherein a rotational center of the small gear is arranged within an angular range from the
rotational center of the large gear, said angular range being ± 35 degrees from a reference plane,
and
wherein said reference plane is defined as a plane parallel to a rotating barrel portion
rotational plane, orthogonal to the rotating shaft, and including a rotational axis of the large gear.

4.-6. Canceled.